

A MULTI-CHANNEL MESH NETWORK

Abstract

A method of selecting at least one routing path between an access node and a gateway is provided. The method includes the access node receiving over a plurality of channels, indicators from at least one upstream access node, the indicators providing information of selected upstream paths between each of the upstream access nodes and upstream gateways. The access node determines an optimal set of routing paths between the access node and at least one upstream gateway, based upon the indicators, the optimal set of routing paths including a combination of paths over multiple channels.